

ALBANY WATER BOARD
MINUTES OF REGULAR MEETING

A regular meeting of the Albany Water Board was officially convened at 9:00 AM, in the Conference Room at the Albany Water Board, 10 North Enterprise Drive, Albany, NY on Friday, August 24, 2018.

PRESENT: Charles Houghton, Chairman; Dan Ranellone, Vice Chairman; Anthony Owens, Treasurer; Barbara Smith, Member

BOARD MEMBERS EXCUSED: Rachel Johnson, Secretary

STAFF PRESENT: Joseph Coffey, P.E., Commissioner; Thomas Dufresne, CFO; William Simcoe, P.E., Deputy Commissioner; Emily Lyons, Confidential Assistant

BOARD ADVISORS PRESENT: William Kahn, UHY Advisors; Madalyn DeThomasis, Assistant Corporation Counsel; Robert Hennes, Hugh Johnson Advisors; Marisa Franchini, Deputy Corporation Counsel

Approval of July 27 Regular Meeting

Chairman Charles Houghton introduced the minutes of the Regular Meeting held on July 27, 2018. With no objection, the reading of minutes was dispensed and Mr. Houghton called for a motion to approve the minutes of said meeting. A motion was made and seconded and passed unanimously.

Public Comment Period

No public comments.

Financial Reports

Investments Report: Robert Hennes, Hugh Johnson Advisors, LLC

It is currently an excellent environment to invest as odds of recession are low. It is expected for the Fed to continue raising interest rates. The report distributed shows the current funds and yield rates. The bonds are liquid and any penalties for withdrawal would be minimal, but it does help to have a schedule.

Management Letter Discussion: Jamie Cote, The Bonadio Group

The board has been in compliance with the State Comptrollers' requirements and has met auditing standards. The letter lists a few items for the board to address:

- Senior discounts policy should be adopted by the Board to match the City's policy. This should also be represented in the rate schedule.
- Capital projects: The board should adopt a policy to capitalize multi-million dollar repairs. The current grant and project documentation needs to have better tracking. The board needs to have policies for receiving federal dollars that meet federal procurement rules.
- Albany Water Dept. should get access to use the City's accounting software, as the lack of access has caused delays in the past.

- Increase periodic tabulation of inventories to make sure everything is captured on balance sheets.
- Increase staffing levels with an experienced accountant level professional to complement existing staff.

Albany Water department staff will follow up with a response to the management letter at the next board meeting.

MTD/YTD Financial Report: Thomas Dufresne, Chief Fiscal Officer.

Negative cash flow this month, but expenses still under budget. YTD cash flow is positive, similar to last year. Expenses are up about \$600,000 because of new staff positions filled, workers compensation. We believe revenue is impacted by large users working to save money/water.

2019 Draft Budget Proposal: Thomas Dufresne, Chief Fiscal Officer; Joseph Coffey, Commissioner

This proposal looks at staffing and forecasts into the future. It also incorporates a potential rate increase of 3%, and price increase estimates for supplies (example – steel). The department used actual amounts of expenses, historical trends and analyzed the equipment costs from the bottom up. AWD final version of budget proposal for 2019 will be submitted to the City Council on October 1st. The potential rate increase could be adopted by the board in September, and a public meeting to be held in October.

The budget includes updates on staffing (removing some positions, upgrades on titles to others); improvements such as use of drones, cloud based software, outreach/communications and safety. The budget also includes cost saving measures such as a decline in the Board's property taxes, barcoding of inventory and a light duty return to work program. In conclusion, building space is still an issue, as the department is still evaluating options and costs.

Rate Increase: William Kahn, UHY Advisors

The Rate increase chart shows the historical trends of rates and changes to the tiers over the years. It is remarkable that there has been 7 years without a rate increase, and that the new proposed increase is only for 3%, with other small increases over the next few years.

Commissioner's Report: Joseph Coffey, P.E., Commissioner

2017 Large Diameter Trunk Sewer Rehabilitation Project – Washington Park sewer: There was an emergency repair to fix the trunk sewer in Washington Park and the change order was approved last month. The trunk sewer work on Myrtle is finished, and we delayed Park Ave. to address Washington Park work.

2018 CIPP Lining Project Status Report: Project is going well and is under budget. Considering extending the contract to do more lining. The increased communications/outreach eliminated public complaints this year.

Floatables Project – construction status report: A public hearing is being set up for Sept. 23.

Construction at Orange Street has not begun yet, and the Jackson/Livingston site is under Archeology review.

Beaver Creek Clean River Project Community Outreach - status report: Department staff met with County Sewer about new design of the Facility to stop handing screenings at the park; which would remove the need for the building. Held a community advisory meeting recently and received feedback on the conceptual plan of the Reflection Garden for the ravine. The plan is being revised to be shared with the Advisory Committee again in late September.

Beaver Creek Phase 6 Project: Construction will be happening in September. Also, increasing information on the project on the website and social media. This project should help mitigate flooding at the N Main/Chestnut intersection. Will be presenting at Melrose Neighborhood association in September to talk about flooding and backups.

Feura Bush WTP Employee & Public Space Improvements – Project Update: Staff are currently moving into new temporary building. We will be adding a project webpage and including a picture.

Tivoli/Patroon Creek Daylighting Status Report : Bids to be received in September.

Upper Washington Ave Sewer PS and Force Main Project update: Only one bid was received for general construction and it was much higher than estimate. AWD engineers will review, but we may need to re-bid before Sept. 18. This experience shows we may need to pay for estimates in the future, or increase contingencies for estimates.

Hydrant Inspection & Flushing Program – community outreach status report: The interactive map of hydrant flushing locations is now live and the postcards have been sent to about half of the City.

Backwater Valve Grant Program: The \$1,500 grant amount has been fixed since the program began in 2008. The proposed increase to 2,000 will add value for our customers and help with the resiliency of our system. The current budget is \$100,000 per year.

Old Business

Guilderland Water Purchase Agreement: The two agreements presented are beneficial to both parties.

Alcove – Nature Conservancy: An agreement is close with Mohawk Hudson Land Conservancy and should be ready by next month.

Executive Session

The Board entered executive session to discuss pending litigation in relation to the Coeymans Property Assessment. No action was taken in Executive Session.

Resolutions

Mr. Houghton called for a motion to approve each of the following resolutions. A motion was made for each and seconded; each resolution passed unanimously; besides resolution 18-73, which Dan Ranellone abstained from voting on due to conflict of interest as a New York State Employee.

- **Resolution 18-66:** Authorizing Chairman to execute Water Purchase Agreement with the Town of Guilderland
- **Resolution 18-67:** Authorizing Chairman to execute Memorandum of Understanding: Use of Dillenbeck Force Main with Town of Guilderland

- **Resolution 18-68:** Authorizing Payment of \$2,468.75 to Hugh Johnson Advisors for quarterly investment services for the period 4/1/18 – 6/30/18
- **Resolution 18-69:** Authorizing Advertisement for Bids for Construction of Normans Kill Farm Drainage and Access Road Improvements
- **Resolution 18-70:** Authorizing Transfer of \$2,100,000 from On-Going Funds Account to Capital Account 8350.7530 (Feura Bush Filtration Plant) For WTP Wastewater Lagoon Project
- **Resolution 18-71:** Authorizing Transfer of \$200,000 from On-Going Funds Account to Capital Account 8350.7530 (Feura Bush Filtration Plant) For Alcove Sodium Permanganate Facility Project.
- **Resolution 18-72:** Authorizing an increase in the reimbursable Backwater valve grant to \$2,000, retroactive to January 1, 2018.
- **Resolution 18-73:** Authorizing Chairman to sign a letter of support for the Regional Biosolids Treatment Authority. (Dan Ranellone abstained).
- **Resolution 18-74:** Authorizing Marisa Franchini to negotiate a settlement with Coeymans.

Being no further business, Mr. Houghton called for a motion to adjourn the meeting. A motion was made, seconded and passed unanimously. The meeting was adjourned at 11:00 AM.

Next regular meeting of the Water Board is scheduled for Friday, September 28, 2018, 9:30am.
Finance Committee meeting is scheduled for Friday, September 28, 8:30am.

Recorded by: Emily Lyons, Confidential Assistant

Approved by: 
Charles Houghton, Chairperson

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
COMBINED FINANCIAL STATEMENTS
For the period ending July 31, 2018

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ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
STATEMENTS OF CASH FLOWS
July 31, 2018

	One Month Period Ended July 2018		Variance	Percent Variance	Year-To-Date Periods Ended July 2018		Variance	Percent Variance
	2018	2017			2018	2017		
Revenues								
Water/sewer revenue	\$ 1,782,956	\$ 1,454,782	\$ 328,174	22.6%	18,807,696	17,980,988	\$ 826,707	4.6%
Investment income	32,731	118,275	(85,543)	-72.3%	245,018	215,837	29,181	13.5%
Total revenues	1,815,687	1,573,056	242,630	15.4%	19,052,713	18,196,825	855,888	4.7%
Operating expenses								
Operation/maintenance costs	1,531,873	1,284,192	247,682	19.3%	12,061,933	11,478,321	583,611	5.1%
Board/Authority expenses	11,469	11,806	(337)	-2.9%	90,548	68,518	22,029	32.2%
Total expenses	1,543,342	1,295,997	247,345	19.1%	12,152,480	11,546,839	605,641	5.2%
Net operating cash flows before debt service and capital project costs	272,345	277,059	(4,714)	-1.7%	6,900,233	6,649,986	250,247	3.8%
Debt service costs	(411,333)	(497,850)	86,517	-17.4%	(2,879,331)	(2,987,100)	107,769	-3.6%
Capital project costs	(626,700)	(861,100)	234,399	0.0%	(2,623,152)	(2,409,072)	(214,080)	0.0%
Grant Income	-	372,351	(372,351)	0.0%	648,520	815,629	(167,109)	0.0%
Net cash flow (deficiency)	\$ (765,688)	\$ (709,540)	\$ (56,149)	-7.9%	\$ 2,046,270	\$ 2,069,443	\$ (23,173)	-1.1%

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
SCHEDULE OF REVENUES
July 31, 2018

	2018 Budget	2018 Actual	Variance Favorable (Unfavorable)	Variance %	2017 Budget	2017 Actual	Variance Favorable (Unfavorable)	Variance %
Water and sewer revenue								
July	2,066,378	\$ 1,782,956	\$ (283,422)	-14%	\$ 2,452,830	\$ 1,454,782	\$ (998,048)	-41%
Year-to-Date	19,465,915	\$ 18,807,696	\$ (658,219)	-3%	\$ 19,846,180	\$ 17,980,988	\$ (1,865,192)	-9%
Investment income								
July	\$ 22,917	\$ 32,731	\$ 9,815	43%	\$ 15,839	\$ 118,275	\$ 102,436	647%
Year-to-Date	\$ 160,417	\$ 245,018	\$ 84,601	53%	\$ 166,665	\$ 215,837	\$ 258,113	155%
Additional Cash Receipts								
	Monthly	YTD						
Miscellaneous								
Other	\$ -	\$ 22,944						
Fishing Permits	\$ 110	\$ 695						
Sales of Scrap	\$ 908	\$ 7,341						
Insurance Recoveries	\$ -	\$ -						
Colonie Street	\$ 1,750	\$ 3,000						
Delmar Mall Easement	\$ -	\$ -						
Delaware Plaza Easement	\$ -	\$ -						
Rent								
Huck Finn	\$ 1,250	\$ 8,750						
DASNY Rent	\$ 1,250	\$ 8,750						
Lamar	\$ -	\$ -						
Time Warner Rent	\$ -	\$ -						
Sprint	\$ -	\$ 12,442						
Totals	\$ 5,268	\$ 63,922						

Note: The revenue budgets reflect forecasted revenue collections of \$37,725,000 and \$39,290,000 for 2018 and 2017, respectively.

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
SCHEDULE OF OPERATING
July 31, 2018

	2018 ANNUAL BUDGET	YEAR-TO-DATE July 2018			2017 YTD ACTUAL
		ADJUSTED BUDGET	ACTUAL	(OVER)/ UNDER	
Administration					
Personnel services	1,263,510	728,948	709,543	19,405	585,807
Equipment/Furniture	2,000	1,154	989	164	259
Contractual and other expenses	251,395	145,036	118,585	26,450	102,532
Benefits	465,999	268,846	177,477	91,369	180,847
	1,982,904	1,143,983	1,006,595	137,388	869,444
Supply, Power and Pumping					
Personnel services	912,712	526,565	401,391	125,174	366,908
Equipment	211,000	121,731	10,315	111,416	5,279
Contractual and other expenses	151,735	87,539	63,238	24,301	51,272
Benefits	197,367	113,866	137,112	(23,246)	122,775
	1,472,814	849,701	612,056	237,645	546,235
Purification					
Personnel services	1,486,196	857,421	733,848	123,573	575,003
Equipment	255,000	147,115	25,749	121,366	69,397
Contractual and other expenses	1,365,728	787,920	406,840	381,080	406,319
Benefits	459,287	264,973	217,614	47,360	175,754
	3,566,211	2,057,429	1,384,050	673,379	1,226,473
Transmission/Distribution					
Personnel services	2,988,926	1,724,380	1,336,308	388,073	1,379,135
Equipment	570,000	328,846	7,277	321,569	202,582
Contractual and other expenses	2,352,159	1,357,015	604,011	753,004	762,240
Benefits	967,571	558,214	438,395	119,819	482,153
	6,878,656	3,968,455	2,385,992	1,582,464	2,826,109
Sewer Services					
Personnel services	888,478	512,583	475,793	36,791	449,253
Equipment	363,000	209,423	39,826	169,597	2,099
Contractual and other expenses	1,854,062	1,069,651	986,384	83,267	663,439
Benefits	202,781	116,989	183,158	(66,169)	176,731
	3,308,321	1,908,647	1,685,161	223,486	1,291,521
Pumping Stations					
Personnel services	166,365	95,980	90,785	5,195	84,296
Equipment	10,000	5,769	-	5,769	9,957
Contractual and other expenses	371,807	214,504	156,514	57,990	107,986
Benefits	74,015	42,701	42,437	264	34,903
	622,187	358,954	289,735	69,219	237,142
Taxes Paid to Municipalities	2,262,758	565,690	570,809	(5,119)	566,134
County Sewer Contract	6,500,000	3,250,000	3,114,673	135,327	3,054,422
Contingencies, Insurance and Other	4,516,633	1,935,301	1,012,862	922,439	860,841
Total Operating Expenses	31,110,484	16,038,159	12,061,933	3,976,227	11,478,321
Capital Expenditures	3,000,000	1,500,000	2,623,152	(1,123,152)	2,503,271
GRAND TOTAL	34,110,484	17,538,159	14,685,084	2,853,075	13,981,592

EXPENSE SUMMARY:

	2018	2017	Change
Personnel Services	3,747,667	3,440,401	307,266
Equipment	84,157	289,572	(205,415)
Contractual and other expenses	2,335,572	2,093,788	241,784
Benefits	1,196,192	1,173,163	23,030
Other	4,698,344	4,481,397	216,947
	12,061,933	11,478,321	583,612

Percent Increase/Decrease over 2017 5.1%
Percent under Budget -24.8%

Personnel Services under Budget -15.7%
-22.6%

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
July 31, 2018

Actual Expenditures to Date

1995	\$	3,459,286
1996		3,148,713
1997		2,977,569
1998		2,059,812
1999		2,696,065
2000		1,771,829
2001		2,437,338
2002		3,384,049
2003		3,845,848
2004		5,673,522
2005		2,389,244
2006		1,575,740
2007		459,599
2008		1,230,331
2009		1,807,010
2010		1,108,164
2011		734,443
2012		2,266,553
2013		2,059,475
2014		1,832,084
2015		2,076,594
2016		8,403,230
2017		5,737,150
2018		2,623,152
	<u>\$</u>	<u>65,756,799</u>

Comparative Expenditures

[----- 2016 -----]		2017	
January	\$ -	January	\$ -
February		February	5,949
March	423,060	March	94,117
April	72,924	April	336,818
May	94,213	May	519,075
June	329,510	June	668,351
July	115,872	July	878,960
August	253,453	August	903,516
September	1,383,307	September	96,704
October	427,592	October	407,796
November	353,823	November	717,995
December	4,949,476	December	1,107,869
	<u>\$ 8,403,230</u>		<u>\$ 5,737,150</u>

2018	Gross Capital	Grants & Funding	Net Capital	YTD
January	\$ -		\$ -	\$ -
February	-		-	-
March	-		-	-
April	35,417		35,417	35,417
May	916,156		916,156	951,572
June	1,044,879		1,044,879	1,996,451
July	626,700		626,700	2,623,152
August	-		-	2,623,152
September	-		-	2,623,152
October	-		-	2,623,152
November	-		-	2,623,152
December	-		-	2,623,152
	<u>\$ 2,623,152</u>	<u>\$ -</u>	<u>\$ 2,623,152</u>	<u>2,623,152</u>

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
SCHEDULE OF OVERTIME
July 31, 2018

	Budget 7/31/2018 YTD	Actual 7/31/2018 YTD	Budget Difference (over)/under	Actual 7/31/2017 YTD	Actual Difference (over)/under
OVERTIME					
<i>Supply, Power and Pumping</i>	\$ 43,269	\$ 37,162	\$ 6,108	\$ 29,668	\$ (7,494)
<i>Purification</i>	\$ 51,923	\$ 54,391	\$ (2,468)	\$ 38,738	\$ (15,653)
<i>Transmission/Distribution</i>	\$ 161,538	\$ 188,150	\$ (26,612)	\$ 206,097	\$ 17,947
<i>Sewer Services</i>	\$ 28,846	\$ 36,636	\$ (7,790)	\$ 39,571	\$ 2,935
<i>Pumping Stations</i>	\$ 2,885	\$ 4,491	\$ (1,606)	\$ 3,196	\$ (1,294)
TOTAL	\$ 288,462	\$ 320,830	\$ (32,368)	\$ 317,270	\$ (3,560)
Percentage			-11.22%		-1.1%

7/31/2018

DUE FROM THE CITY OF ALBANY

\$ 4,234,529

Rt 7 ACCOUNTS RECIEVABLE

\$ 1,104,625

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
EXPENSE DETAIL BY DEPARTMENT
July 31, 2018

Trial Balance Listing		June		July		2017
Account	Description	Balance Forward	MTD Debits	MTD Credits	Ending Balance	MTD Balance
Department 8120 - Sewer Maintenance						
	Salaries	385,615.34	53,541.09	-	439,156.43	-
	Supervisory	-	-	-	-	85,409.10
	Professional/Technical	-	-	-	-	-
	Public Safety/Operations	-	-	-	-	324,272.82
	Trades	-	-	-	-	-
	Clerical	-	-	-	-	-
	Line-up Pay/Clothing Allw	3,600.00	-	-	3,600.00	6,000.00
	Overtime	32,624.02	4,012.22	-	36,636.24	39,571.23
	Vehicles	-	-	-	-	-
	Other Equipment	38,546.00	1,280.00	-	39,826.00	2,098.70
	Supplies & Materials	54,866.73	304.37	-	55,171.10	30,170.14
	Uniforms	-	-	-	-	-
	Gasoline	16,689.64	-	-	16,689.64	14,660.50
	Motor Vehicle Expense	36,477.47	8,829.40	-	45,306.87	21,761.13
	Expense of Litigation	-	-	-	-	-
	Contracted Services	330,997.90	538,218.48	-	869,216.38	596,846.78
	Training/Conferences	-	-	-	-	-
	Social Security	30,470.07	4,115.64	-	34,585.71	32,806.02
	Hospital & Medical Ins.	127,268.89	20,552.50	2,849.25	144,972.14	137,924.65
Department 8120 - Sewer Maintenance Totals		1,057,156.06	630,853.70	2,849.25	1,685,160.51	1,291,521.07

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
EXPENSE DETAIL BY DEPARTMENT
July 31, 2018

Trial Balance Listing		June		July		2017
Account Description		Balance Forward	MTD Debits	MTD Credits	Ending Balance	MTD Balance
Department 8130 - Pumping Stations						
Salaries		74,289.19	11,835.98	-	86,125.17	-
Supervisory		-	-	-	-	25,069.20
Public Safety/Operations		-	-	-	-	56,030.04
Temporary Help		168.75	-	-	168.75	-
Line-up Pay/Clothing Allw		800.00	-	-	800.00	800.00
Overtime		3,606.69	883.98	-	4,490.67	3,196.41
Other Equipment		-	-	-	-	9,956.59
Supplies & Materials		-	-	-	-	423.00
Fuel Oil		-	-	-	-	-
Uniforms		-	-	-	-	-
Utilities		81,339.53	12,728.30	-	94,067.83	60,218.92
Expense of Litigation		-	-	-	-	-
Contracted Services		45,836.80	16,609.55	-	62,446.35	47,344.23
Training/Conferences		-	-	-	-	-
Social Security		5,519.00	893.99	-	6,412.99	5,937.10
Hospital & Medical Ins.		30,144.38	5,740.45	661.28	35,223.55	28,166.36
Department 8130 - Pumping Stations Totals		241,704.34	48,692.25	661.28	289,735.31	237,141.85

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
EXPENSE DETAIL BY DEPARTMENT
July 31, 2018

Trial Balance Listing		June		July		2017
Account Description		Balance Forward	MTD Debits	MTD Credits	Ending Balance	MTD Balance
Department 8310 - Water Administration						
Salaries		608,569.94	93,093.04	-	701,662.98	-
Executive		-	-	-	-	57,526.80
Supervisory		-	-	-	-	123,191.46
Professional/Technical		-	-	-	-	319,936.13
Public Safety/Operations		-	-	-	-	-
Clerical		-	-	-	-	85,152.21
Temporary Help		4,151.25	2,148.75	-	6,300.00	-
Longevity Pay		1,450.00	-	-	1,450.00	29,300.00
Line-up Pay/Clothing Allw		400.00	-	-	400.00	-
Overtime		1,580.40	-	-	1,580.40	-
Furniture & Fixtures		989.40	-	-	989.40	259.08
Supplies & Materials		21,739.94	3,432.12	-	25,172.06	16,000.23
Utilities		24,998.34	141.09	-	25,139.43	32,234.73
Contracted Services		32,165.41	2,304.01	-	34,469.42	26,860.03
Printing & Binding		1,854.74	1,077.43	-	2,932.17	1,691.02
N.Y.S.P.I.N.		-	-	-	-	-
Fees & Services		951.80	-	-	951.80	640.27
Miscellaneous		298.47	-	-	298.47	654.68
Training/Conferences		8,624.86	242.32	-	8,867.18	1,172.56
Postage		20,754.66	-	-	20,754.66	23,278.14
Social Security		46,039.79	7,013.19	-	53,052.98	44,352.61
Hospital & Medical Ins.		106,302.67	19,503.90	3,232.36	122,574.21	107,194.39
Department 8310 - Water Administration Totals		880,871.67	128,955.85	3,232.36	1,006,595.16	869,444.34

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EXPENSE DETAIL BY DEPARTMENT
July 31, 2018

Trial Balance Listing		June		July		2017
Account Description		Balance Forward	MTD Debits	MTD Credits	Ending Balance	MTD Balance
Department 8320 - Source of Supply, Power						
Salaries		293,338.46	55,582.68	-	348,921.14	-
Supervisory		-	-	-	-	5,502.03
Professional/Technical		-	-	-	-	106,926.95
Public Safety/Operations		-	-	-	-	203,741.35
Clerical		-	-	-	-	18,382.21
Temporary Help		6,424.50	8,883.75	-	15,308.25	2,688.00
Line-up Pay/Clothing Allw		3,560.00	400.00	-	3,960.00	2,840.00
Overtime		31,167.17	5,994.49	-	37,161.66	29,667.67
Vehicles		-	-	-	-	-
Other Equipment		10,315.24	-	-	10,315.24	5,278.99
Supplies & Materials		11,034.68	2,575.20	-	13,609.88	9,020.72
Fuel Oil		2,284.80	-	-	2,284.80	1,544.56
Uniforms		-	-	-	-	-
Gasoline		5,176.97	1,199.32	-	6,376.29	4,484.07
Utilities		28,604.37	5,437.32	-	34,041.69	30,846.35
Contracted Services		5,785.55	400.00	-	6,185.55	4,270.48
Miscellaneous		183.19	-	-	183.19	25.00
Training/Conferences		556.59	-	-	556.59	1,081.20
Social Security		25,404.34	5,194.57	-	30,598.91	28,057.71
Hospital & Medical Ins.		86,745.10	19,539.41	3,731.68	102,552.83	91,877.60
Department 8320 - Source of Supply, Power Totals		510,580.96	105,206.74	3,731.68	612,056.02	546,234.89

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
EXPENSE DETAIL BY DEPARTMENT
July 31, 2018

Trial Balance Listing		June		July		2017
Account Description		Balance Forward	MTD Debits	MTD Credits	Ending Balance	MTD Balance
Department 8330 - Purification						
Salaries		588,615.61	90,841.14	-	679,456.75	-
Supervisory		-	-	-	-	-
Professional/Technical		-	-	-	-	143,285.12
Public Safety/Operations		-	-	-	-	392,979.93
Trades		-	-	-	-	-
Line-up Pay/Clothing Allw		4,600.00	-	-	4,600.00	4,400.00
Overtime		43,464.71	10,926.06	-	54,390.77	38,737.67
Vehicles		-	-	-	-	-
Other Equipment		-	-	-	-	17,174.68
Laboratory Equipment		4,340.64	-	-	4,340.64	15,000.31
Filtration Plant Equip		21,408.45	-	-	21,408.45	37,221.98
Supplies & Materials		61,606.82	458.64	-	62,065.46	21,435.77
Fuel Oil		51,498.64	-	-	51,498.64	40,067.17
Uniforms		-	-	-	-	-
Chemicals		160,863.69	56,619.19	-	217,482.88	216,650.73
Utilities		19,520.05	4,107.88	-	23,627.93	65,571.93
Contracted Services		38,706.88	5,679.20	-	44,386.08	56,011.55
Miscellaneous		61.00	-	-	61.00	1,677.18
Training/Conferences		7,157.72	560.00	-	7,717.72	4,905.00
Residuals Management		-	-	-	-	-
Social Security		47,806.72	7,505.64	-	55,312.36	43,513.20
Hospital & Medical Ins.		136,992.76	25,306.57	4,598.04	157,701.29	127,840.32
Department 8330 - Purification Totals		1,186,643.69	202,004.32	4,598.04	1,384,049.97	1,226,472.54

ALBANY WATER BOARD
ALBANY MUNICIPAL WATER FINANCE AUTHORITY
EXPENSE DETAIL BY DEPARTMENT
July 31, 2018

Trial Balance Listing		June		July		2017
Account Description		Balance Forward	MTD Debits	MTD Credits	Ending Balance	MTD Balance
Department 8340 - Transmission & Dist.						
Salaries		991,550.09	156,607.42	-	1,148,157.51	-
Supervisory		-	-	-	-	221,995.47
Professional/Technical		-	-	-	-	24,974.10
Public Safety/Operations		-	-	-	-	923,555.86
Trades		-	-	-	-	-
Temporary Help		-	-	-	-	2,512.35
Line-up Pay/Clothing Allw		9,200.00	600.00	-	9,800.00	10,600.00
Overtime		154,826.48	33,323.89	-	188,150.37	206,096.96
Vehicles		-	-	-	-	84,631.52
Other Equipment		7,277.43	-	-	7,277.43	117,950.57
Equipment Streets & Sidewalks		-	-	-	-	-
Supplies & Material Sts.		96,903.24	16,069.02	-	112,972.26	86,131.68
Supplies - Trans. & Dist.		149,326.53	45,248.68	-	194,575.21	190,231.14
Uniforms		-	-	-	-	-
Gasoline		66,758.55	-	-	66,758.55	58,642.01
Supp/Matrl-Meter Repair		10,412.89	1,440.00	-	11,852.89	238,298.39
Utilities		36,847.98	6,153.97	-	43,001.95	44,632.11
Motor Vehicle Expense		68,854.13	7,716.92	-	76,571.05	49,162.56
Expense of Litigation		-	-	-	-	-
Contracted Services		74,967.51	21,263.97	-	96,231.48	95,097.04
Miscellaneous		295.61	-	-	295.61	45.00
Training/Conferences		1,751.95	-	-	1,751.95	-
Social Security		85,455.60	13,807.25	-	99,262.85	101,449.65
Hospital & Medical Ins.		283,175.03	59,297.42	13,139.86	329,332.59	370,102.90
Department 8340 - Transmission & Dist. Totals		2,037,603.02	361,528.54	13,139.86	2,385,991.70	2,826,109.31
Grand Total		5,914,559.74	1,477,241.40	28,212.47	7,363,588.67	6,996,924.00

Utility Billing

Aging Report



city of
ALBANY

User: tdufresne
 Printed: 08/21/2018 - 10:19 AM
 Service List: WATER,SEWER,DEMAND,VACANT,MISC,PEN,GUIL
 D,WC
 Aging Date: 07/31/2018
 Billing Cycle: 005, 007
 Balance Limits: All accounts
 Date Type: Tran
 Account Status: Active
 Minimum Balance: 0.00
 Minimum Aged Bal: 0.00
 Sort Order: Customer Number

Account	Acct Status	Bal Fwd	Bal Under 30	Bal 30 to 60	Bal 60 to 90	Bal 90 to 120	Bal Over 120
031531-000	Active	34.91	0.00	0.00	0.00	34.91	0.00
COEYMANS HOLLOW FIRE COMPANY							
031581-000	Active	44.54	0.00	0.00	0.00	44.54	0.00
TOWN OF GUILDERLAND							
032467-000	Active	69.82	0.00	0.00	0.00	34.91	34.91
COEYMAN'S HOLLOW FIRE COMPANY							
Cycle: 005	Aged Totals	149.27	0.00	0.00	0.00	114.36	34.91
	Credit Totals	0.00					
	Totals	149.27					
005375-000	Active	18,061.40	18,061.40	0.00	0.00	0.00	0.00
AFP107 CORP. D/B/A HILTON ALBANY							
005491-000	Active	3,700.62	3,700.62	0.00	0.00	0.00	0.00
VERIZON							
005492-000	Active	2,637.96	2,637.96	0.00	0.00	0.00	0.00
VERIZON							
005679-000	Active	24,544.68	15,384.20	9,160.48	0.00	0.00	0.00
99 WASHINGTON LLC							
008140-000	Active	784.98	784.98	0.00	0.00	0.00	0.00
ALBANY HOUSING AUTHORITY							

Account	Acct Status	Bal Fwd	Bal Under 30	Bal 30 to 60	Bal 60 to 90	Bal 90 to 120	Bal Over 120
008141-000	Active	581.50	581.50	0.00	0.00	0.00	0.00
ALBANY HOUSING AUTHORITY							
016257-000	Active	(50.00)	0.00	0.00	0.00	0.00	0.00
TMG-ALBANY 1 LP							
016566-000	Active	1,730.16	1,730.16	0.00	0.00	0.00	0.00
SAYVILLE BROWNING PROPERTIES INC							
016856-000	Active	(69.82)	0.00	0.00	0.00	0.00	0.00
ALBANY MEDICAL CENTER							
016863-000	Active	3,113.22	3,113.22	0.00	0.00	0.00	0.00
NYS OFF OF MENTAL HEALTH 50980							
026348-000	Active	3,278.76	3,278.76	0.00	0.00	0.00	0.00
TERESIAN HOUSE							
026349-000	Active	2,648.64	2,648.64	0.00	0.00	0.00	0.00
TERESIAN HOUSE							
027055-000	Active	39,721.50	39,721.50	0.00	0.00	0.00	0.00
ULTRE PET LLC							
031582-000	Active	550.02	550.02	0.00	0.00	0.00	0.00
CSX TRANSPORTATION-48534							
031586-000	Active	141,750.00	141,750.00	0.00	0.00	0.00	0.00
TOWN OF BETHLEHEM							
031633-000	Active	1,772.88	1,772.88	0.00	0.00	0.00	0.00
BUCKEYE ALBANY TERMINAL LLC							
031832-000	Active	0.04	0.04	0.00	0.00	0.00	0.00
VETERANS HOSPITAL ADMIN							
031834-000	Active	950.52	950.52	0.00	0.00	0.00	0.00
VETERANS HOSPITAL ADMIN							
031835-000	Active	(69.82)	0.00	0.00	0.00	0.00	0.00
VETERANS HOSPITAL ADMIN							
032044-000	Active	2,264.16	2,264.16	0.00	0.00	0.00	0.00
ST PETERS HOSPITAL							
032215-000	Active	849,042.81	438,758.16	399,077.40	11,207.25	0.00	0.00
SUNY-ALBANY NANO							
032240-000	Active	2,782.14	2,782.14	0.00	0.00	0.00	0.00
ST PETER'S HOSPITAL							
032274-000	Active	4,679.93	185.84	211.46	162.34	132.44	3,987.85
ROGER MARTEL							
032492-000	Active	69.82	69.82	0.00	0.00	0.00	0.00
ST PETERS HOSPITAL							

Account	Acct Status	Bal Fwd	Bal Under 30	Bal 30 to 60	Bal 60 to 90	Bal 90 to 120	Bal Over 120
Cycle: 007	Aged Totals	1,104,665.74	680,726.52	408,449.34	11,369.59	132.44	3,987.85
	Credit Totals	-189.64					
	Totals	1,104,476.10					
Report Totals:	Aged Grand Totals	1,104,815.01					
	Credit Grand Totals	-189.64					
	Grand Totals	1,104,625.37	680,726.52	408,449.34	11,369.59	246.80	4,022.76

Route 7 - YTD Billings - as of 7/31/18			
Customer Group	2017	2018	YoY Change
OGS-BUSINESS SERVICE CENTER	1,528,104.34	1,348,691.98	(179,412.36)
SUNY-ALBANY NANO	2,870,553.10	2,738,065.56	(132,487.54)
DEPT OF HEALTH	63,848.40	110,046.50	46,198.10
SUNY-ALBANY	1,322,763.78	1,286,666.73	(36,097.05)
AFP107 CORP. D/B/A HILTON ALBANY	134,102.70	104,605.00	(29,497.70)
ALBANY MEDICAL CENTER	483,952.78	456,327.18	(27,625.60)
ST PETERS HOSPITAL	365,609.14	392,337.14	26,728.00
VETERANS HOSPITAL ADMIN	121,322.24	145,584.46	24,262.22
ALBANY HOUSING AUTHORITY	44,322.00	24,585.36	(19,736.64)
ALBANY MEMORIAL HOSP. 3226-4017	115,924.00	134,363.70	18,439.70
ULTRE PET, LLC	236,263.10	252,937.40	16,674.30
BUCKEYE ALBANY TERMINAL, LLC	26,373.07	41,958.78	15,585.71
TMG-ALBANY 1 LP	18,880.14	32,362.84	13,482.70
TIMES UNION CENTER	26,926.72	17,680.64	(9,246.08)
CENTRAL TOWERS PRESERVATION LT	76,332.58	83,775.36	7,442.78
CSX TRANSPORTATION-48534	11,948.25	5,142.42	(6,805.83)
NYS OFF OF MENTAL HEALTH 50980	8,613.42	13,958.76	5,345.34
TERESIAN HOUSE	39,988.36	36,298.42	(3,689.94)
99 WASHINGTON LLC	49,731.82	51,737.16	2,005.34
TOWN OF GUILDERLAND	1,647.98	44.54	(1,603.44)
VERIZON	28,976.94	29,970.18	993.24
SAYVILLE BROWNING PROPERTIES INC	11,122.88	10,434.02	(688.86)
MARTEL	1,296.58	1,123.56	(173.02)
COEYMANS HOLLOW FIRE COMPANY	69.82	69.82	-
TOWN OF BETHLEHEM	992,250.00	992,250.00	-
THE PEOPLE OF THE STATE OF	488.74	488.74	-
PSEG POWER NY INC	-	-	-
Total	8,581,412.88	8,311,506.25	(269,906.63)

	BW.0630	BW.0630.A	BW.0630.TA	BW.0384	Due (to)/from	Change
January	-	(11,653,499.80)	(1,184.42)	15,765,008.47	4,110,324.25	(154,262.18)
February		(11,705,019.26)	(1,184.42)	15,765,008.47	4,058,804.79	(51,519.46)
March		(8,120,684.87)	(1,184.42)	15,765,008.47	7,643,139.18	3,584,334.39
April		(10,840,104.27)	(144,100.05)	15,742,664.75	4,758,460.43	(2,884,678.75)
May		(10,976,499.87)	1,559.61	15,742,664.75	4,767,724.49	9,264.06
June		(11,397,513.47)	1,559.61	15,742,664.75	4,346,710.89	(421,013.60)
July		(11,509,695.20)	1,559.61	15,742,664.75	4,234,529.16	(112,181.73)
August					-	(4,234,529.16)
September					-	-
October					-	-
November					-	-
December					-	-

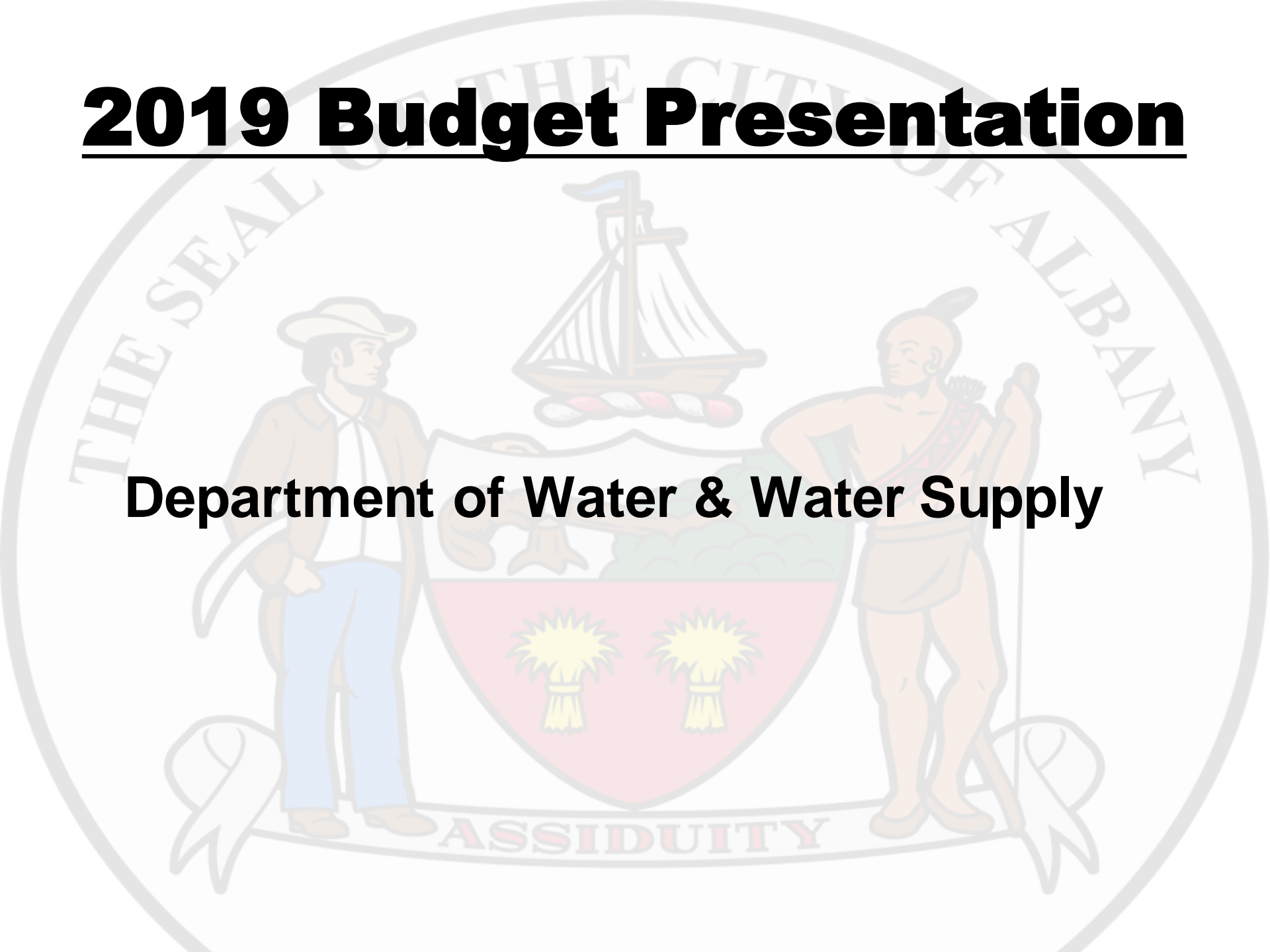
Department of Water and Water Supply - 2018 Key Performance Indicators and Critical Numbers Dashboard														
Indicators		well over goal												
		at goal												
		caution												
		unacceptable - corrective action required												
Parameter	Annual Goal or YTD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Water/Sewer Revenue														
Budget	\$37,725,000	\$3,235,216	\$2,751,553	\$2,886,323	\$2,260,634	\$3,344,689	\$2,921,121	\$2,066,378	\$3,398,014	\$3,133,682	\$3,304,694	\$1,316,953	\$7,105,743	\$37,725,000
Actual MTD		\$3,791,909	\$2,311,164	\$2,740,517	\$1,284,866	\$3,881,121	\$3,004,530	\$1,782,956						
Budget YTD/MTD	\$19,465,915	\$3,235,216	\$5,986,769	\$8,873,092	\$11,133,726	\$14,478,416	\$17,399,537	\$19,465,915						\$19,465,915
Actual YTD/MTD	\$18,807,696	\$3,791,909	\$6,109,465	\$8,849,981	\$10,134,868	\$14,015,196	\$17,019,726	\$18,807,696						\$18,807,696
% Actual MTD vs Budget MTD		117.21%	83.99%	94.95%	56.84%	116.04%	102.86%	86.28%						
% Actual YTD vs Budget YTD	96.62%													
Operating Expenses (non-Capital Exp.)														
Budget	\$31,110,484	\$2,189,296	\$1,623,607	\$5,302,218	\$1,623,607	\$1,623,607	\$2,052,218	\$1,623,607	\$1,623,607	\$3,749,287	\$4,873,607	\$1,623,607	\$3,202,218	\$31,110,484
Actual MTD		\$1,387,948	\$1,012,138	\$1,451,800	\$4,186,470	\$1,264,814	\$1,174,168	\$1,532,873						
Budget YTD/MTD	\$16,038,159	\$2,189,296	\$3,812,903	\$9,115,121	\$10,738,728	\$12,362,334	\$14,414,553	\$16,038,159						\$16,038,159
Actual YTD/MTD	\$12,061,933	\$1,387,948	\$2,388,023	\$3,851,654	\$8,050,331	\$9,327,318	\$10,515,558	\$12,061,933						\$12,061,933
% Actual vs Budget MTD/MTD		63.40%	62.34%	27.38%	257.85%	77.90%	57.21%	94.41%						
% Actual YTD vs Budget YTD	75.21%													
Net Operating Cash Flows														
Actual MTD/YTD	\$6,900,233	\$2,402,199	\$1,295,381	\$1,311,496	-\$2,882,333	\$2,630,237	\$1,994,235	\$272,345						
Net Cash Flow after debt service and capital project costs	\$2,046,270	\$1,990,866	\$884,048	\$900,163	-\$2,951,433	\$1,302,748	\$808,893	-\$765,688						
Grant Income	\$648,520	\$0	\$0	\$0	\$377,649	\$0	\$270,871	\$0						
Capital Project Expenses (all)	\$2,623,152	\$0	\$0	\$0	\$35,417	\$916,156	\$1,044,879	\$626,700						
Rt 7 Accounts Receivable														
Total		\$1,748,500	\$1,150,961	\$808,671	\$1,525,429	\$1,139,508	\$536,964	\$1,104,625						
>120		\$4,497	\$7,552	\$4,921	\$5,110	\$5,096	\$4,102	\$4,023						
90-120		\$772	\$4,782	\$7,522	\$816	\$634	\$132	\$247						
60-90		\$0	\$13,588	\$11,598	\$3,558	\$2,394	\$247	\$11,370						
30-60		\$521,786	\$395,385	\$21,656	\$607,681	\$376,929	\$12,320	\$408,449						
current		\$1,221,425	\$729,653	\$762,973	\$917,415	\$758,204	\$520,163	\$680,727						
Due from City		\$4,110,324	\$4,058,805	\$7,463,139	\$4,758,460	\$4,767,724	\$4,346,711	\$4,234,529						

Department of Water and Water Supply - 2018 Key Performance Indicators and Critical Numbers Dashboard														
Indicators		well over goal												
		at goal												
		caution												
		unacceptable - corrective action required												
Parameter	Annual Goal or YTD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Injury Reports (New)	YTD													
Total Reports Submitted	28	7	4	4	2	6	5	0						28
Total resulting in Medical Treatment	11	3	0	0	1	3	4	0						11
Total resulting in Time Loss	9	2	0	0	1	3	3	0						9
New Lost Work Days in month (injuries)	73	4	0	0	2	17	50	0						73
Water Main Breaks	40	20	9	0	4	3	0	4						40
* 48-inch, ** 36- inch transmission line														
Sewer Repairs	12	0	4	0	3	1	1	3						12
includes storm sewer repairs														
Valves Repair/Replaced	41	3	2	4	10	9	11	2						41
MH Repairs	34	6	2	6	4	5	8	3						34
(* = includes vault)														
Hydrant Replacements/Installs	28	0	6	4	4	8	1	5						28
Yard hydrant installations	3	0	0	0	0	0	0	3						3
Hydrant Repairs	1	0	0	0	0	0	1	0						1
Service Terminations	26	6	1	3	6	3	3	4						26
Service installations	3	0	0	0	0	0	0	3						3
Service Repairs	50	9	6	4	8	7	5	11						50
Basin Repairs (includes basin laterals)	106	3	12	15	23	24	11	18						106
Frozen Service	0	0	0	0	0	0	0	0						0
Curb Box and Rod replaced	4	0	0	0	1	2	1	0						4
Valve Box replaced	21	0	0	5	12	1	2	1						21
Install Valve	3	1	0	0	0	1	0	1						3
Total Department OT Hrs.	10832.5	2921.5	1253	1308	911	1343	1154	1942						10832.5
Total Department OT \$.														
Budget MTD		\$38,462	\$38,461	\$48,077	\$38,462	\$38,461	\$48,077	\$38,462						
Actual MTD		\$80,413	\$33,286	\$45,106	\$26,238	\$36,554	\$44,092	\$55,141						
Budget YTD	\$250,000	\$38,462	\$76,923	\$125,000	\$163,462	\$201,923	\$250,000	\$288,462						
Actual YTD	\$265,689	\$80,413	\$113,699	\$158,805	\$185,043	\$221,597	\$265,689	\$320,830						
% Budget MTD		209.07%	86.54%	93.82%	68.22%	95.04%	91.71%	143.36%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
% Budget YTD	106.28%	209.07%	147.81%	127.04%	113.20%	109.74%	106.28%	111.22%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Department of Water and Water Supply - 2018 Key Performance Indicators and Critical Numbers Dashboard														
Indicators		well over goal at goal caution unacceptable - corrective action required												
Parameter	Annual Goal or YTD	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Alcove Elevation (first of month)	MTD/YTD	611.43	612.38	614.40	617.34	618.31	617.84	616.56	615.08					
% capacity		76.1%	79.3%	86.5%	97.5%	100.00%	99.4%	94.48%	88.99%					
% average month (period of record)		94.0%	95.8%	93.6%	100.4%	103.6%	106.7%	108.00%	109.14%					
spill days		0	0	0	25	24								
Water Produced														
Monthly total (million gallons)	3809.381	555.703	490.636	529.472	511.348	535.041	565.216	621.965						3809.381
Daily average (MGD)	17.962	17.926	17.523	17.080	17.044	17.259	18.841	20.063						17.962
ACSD monthly avg flow (MGD)														
south plant		21.02	24.31	26.77	23.70	21.65	18.11	20.34						
contracted flow 27 MGD	total	24.69	28.25	30.82	27.79	25.67	21.92	24.47						
Sewer PM														
Total LF Cleaned	209807	4863	8359	29130	46013	50903	47622	22917						209807
PM LF Cleaned	175283	1954	4805	25650	38631	46202	44170	13871						175283
LF Camera Inspected	18794	418	760	3032	5519	2338	921	5806						18794
Leak Detection														
Blocks Tested	564	66	160	108	0	0	120	110						564
Leaks Detected	12	1	2	3	0	0	2	4						12
Orions Installed														
	162	29	21	38	28	26	8	12						162

2019 Budget Presentation

Department of Water & Water Supply



The background of the slide features a large, faint, circular seal of the City of Azusa. The seal contains a central figure, possibly a knight or a saint, surrounded by the words "SEAL OF THE CITY OF AZUSA" and "FIDELITY" at the bottom.

Mission

- The Department of Water and Water Supply will deliver a reliable and high quality supply of water to our customers, including fire protection; we will collect and safely convey wastewater to treatment facilities and comply with all of our regulatory permit requirements and conditions; we will provide a safe work environment for our employees; we will provide courteous, responsive and professional service to our customers and a work environment that is supportive and respectful of each other.

Core Values

- **SAFETY**
- **CUSTOMER SERVICE**
- **PROFESSIONALISM**
- **SUSTAINABILITY**



Vision

- **We aspire to be the model public water and sewer utility in the Northeast**

The background of the slide features a large, faint, circular seal of the City of Albany. The seal contains the text "SEAL OF THE CITY OF ALBANY" around the perimeter and depicts a central figure, likely a Native American, holding a bow and arrow, with a ship visible in the background.

Goals

- We will provide a safe and reliable water supply to all of our customers.
- We will collect and transport wastewater safely and in a manner that protects the public at all times.
- We will achieve all regulatory goals.
- We will manage stormwater to minimize threats to public health and safety.
- We will meet all milestones and conditions of the Long Term Control Plan Consent Order.
- We will emphasize safety training and workplace performance and behaviors to strive for no missed work days resulting from work place injuries
- We will invest as stewards to protect and preserve the long-term functionality and sustainability of our infrastructure, including creating a detailed inventory of fixed assets to be updated annually to account for new and rehabilitated assets
- We will invest and incorporate technology to increase operational efficiency (e.g. leak detection, advanced metering technology, SCADA)
- We will implement performance based metrics aligned with department goals and track as key performance indicators

Narrative

- The Department of Water & Water Supply continues to implement our business model addressing the operation and maintenance challenges of aging infrastructure; investing in both the water and sewer systems; complying with all regulatory requirements, and meeting scheduled milestones associated with the Consent Order for Combined Sewer Overflows.
- We are incorporating sustainability in our capital improvements, notably green infrastructure stormwater management.
- We continue to implement technology to increase productivity and enhance customer service.
- We are stressing safety as a core value and in our daily work plans.
- We have developed, and are implementing detailed a 5-year Capital Plan, updated annually.
- The Department is planning \$17.7 million in capital projects in 2019.
- The Department is budgeting 2019 revenue of \$34.9 million and expenses of \$30.9 million (before debt service and capital expenses).
- The Department is budgeting a headcount of 170 personnel in our 2019 budget, a decrease of 7 positions from 2018 budget (elimination of unfilled full time positions and eliminating all part-time guard positions and other duplicated seasonal positions).

2018 Budget Overview

<u>2018 Budget Overview</u>			
	2018 ANNUAL BUDGET	July 2018 ACTUAL	2018 Projected
<i>Administration</i>	1,982,904	1,006,595	1,722,724
<i>Supply, Power and Pumping</i>	1,472,840	612,056	1,235,767
<i>Purification</i>	3,566,222	1,384,050	2,575,630
<i>Transmission/Distribution</i>	6,874,806	2,385,992	5,630,996
<i>Sewer Services</i>	3,309,356	1,685,161	3,183,573
<i>Pumping Stations</i>	622,187	289,735	505,318
<i>Taxes Paid to Municipalities</i>	2,262,758	570,809	1,912,758
<i>County Sewer Contract</i>	6,500,000	3,114,673	6,314,673
<i>Contingencies, Insurance and Other</i>	4,516,633	1,012,862	4,189,147
TOTALS	31,107,706	12,061,933	27,270,586
Revenues:			
Water and Sewer	37,725,000	18,807,696	34,004,185
Investment	275,000	245,018	275,000
TOTAL Revenue	38,000,000	19,052,713	34,279,185
Gross Margin	6,892,294	6,990,781	7,008,599

2018 Budget Performance

	2018 ANNUAL BUDGET	2018 July Actual	2018 FORECAST	2017 ACTUAL
<i>Administration</i>				
Personnel services	\$ 1,263,510	\$ 711,393	\$ 1,263,510	\$ 1,206,241
Equipment	2,000	989	2,000	2,102
Contractual and other expenses	251,395	118,585	251,395	192,054
Benefits	465,999	175,627	465,999	221,193
	1,982,904	1,006,595	1,982,904	1,621,590
<i>Supply, Power and Pumping</i>				
Personnel services	912,738	405,351	912,738	701,645
Equipment	211,000	10,315	211,000	2,949
Contractual and other expenses	151,735	63,238	151,735	99,048
Benefits	197,367	133,152	197,367	127,534
	1,472,840	612,056	1,472,840	931,176
<i>Purification</i>				
Personnel services	1,486,206	738,448	1,486,206	1,212,864
Equipment	255,000	25,749	255,000	32,917
Contractual and other expenses	1,365,729	406,840	1,365,729	837,605
Benefits	459,287	213,014	459,287	325,960
	3,566,222	1,384,050	3,566,222	2,409,346
<i>Transmission/Distribution</i>				
Personnel services	2,985,076	1,346,108	2,985,076	2,569,856
Equipment	570,000	7,277	570,000	4,305
Contractual and other expenses	2,352,159	604,011	2,352,159	1,348,890
Benefits	967,571	428,595	967,571	583,361
	6,874,806	2,385,992	6,874,806	4,506,412
<i>Sewer Services</i>				
Personnel services	889,512	479,393	889,512	872,212
Equipment	363,000	39,826	363,000	1,300
Contractual and other expenses	1,854,062	986,384	1,854,062	2,129,007
Benefits	202,781	179,558	202,781	133,100
	3,309,356	1,685,161	3,309,356	3,135,619
<i>Pumping Stations</i>				
Personnel services	166,365	91,585	166,365	156,133
Equipment	10,000	-	10,000	-
Contractual and other expenses	371,807	156,514	371,807	323,032
Benefits	74,015	41,637	74,015	48,207
	622,187	289,735	622,187	527,373
Total Department Spend	17,828,315	7,363,589	17,828,315	13,131,516
<i>Taxes Paid to Municipalities</i>	2,262,758	570,809	2,262,758	1,978,681
<i>County Sewer Contract</i>	6,500,000	3,114,673	6,500,000	6,181,905
<i>Contingencies, Insurance and Other</i>	4,516,633	1,012,862	4,516,633	3,523,390
<i>Total Other Spend</i>	13,279,391	4,698,344	13,279,391	11,683,976
Grand Total Spending	31,107,706	12,061,933	31,107,706	24,815,492
Revenue				
Water Charges	37,725,000	18,807,696	34,004,185	33,004,383
Investment Earnings	275,000	245,018	275,000	352,126
Total Revenue	38,000,000	19,052,713	34,279,185	33,356,510

Proposed 2019 Budget

	2017 ANNUAL BUDGET	2017 ACTUAL	2018 ANNUAL BUDGET	2019 ANNUAL BUDGET
Administration				
Personnel services	\$ 1,390,899	\$ 1,206,241	\$ 1,263,510	\$ 1,610,506
Equipment	11,000	2,102	2,000	-
Contractual and other expenses	212,463	192,054	251,395	241,800
Benefits	478,445	221,193	465,999	379,406
	2,092,807	1,621,590	1,982,904	2,231,711
Supply, Power and Pumping				
Personnel services	986,556	701,645	912,738	1,044,876
Equipment	36,000	2,949	211,000	370,039
Contractual and other expenses	135,844	99,048	151,735	128,150
Benefits	205,159	127,534	197,367	433,904
	1,363,559	931,176	1,472,840	1,976,969
Purification				
Personnel services	1,342,227	1,212,864	1,486,206	1,653,151
Equipment	207,000	32,917	255,000	180,469
Contractual and other expenses	1,357,465	837,605	1,365,729	846,150
Benefits	448,073	325,960	459,287	554,459
	3,354,765	2,409,346	3,566,222	3,234,229
Transmission/Distribution				
Personnel services	2,712,920	2,569,856	2,985,076	3,103,379
Equipment	795,000	4,305	570,000	230,122
Contractual and other expenses	2,302,941	1,348,890	2,352,159	1,586,450
Benefits	956,945	583,361	967,571	1,174,181
	6,767,806	4,506,412	6,874,806	6,094,131
Sewer Services				
Personnel services	905,425	872,212	889,512	1,094,287
Equipment	257,000	1,300	363,000	100,000
Contractual and other expenses	1,882,312	2,129,007	1,854,062	2,190,500
Benefits	204,518	133,100	202,781	505,014
	3,249,255	3,135,619	3,309,356	3,889,800
Pumping Stations				
Personnel services	149,790	156,133	166,365	185,277
Equipment	30,000	-	10,000	-
Contractual and other expenses	417,764	323,032	371,807	330,000
Benefits	73,035	48,207	74,015	79,771
	670,589	527,373	622,187	595,048
Total Department Spend	17,498,781	13,131,516	17,828,315	18,021,888
Taxes Paid to Municipalities	2,196,853	1,978,681	2,262,758	1,800,000
County Sewer Contract	6,578,505	6,181,905	6,500,000	6,500,000
Contingencies, Insurance and Other	5,093,688	3,523,390	4,516,633	4,561,355
Total Other Spend	13,869,046	11,683,976	13,279,391	12,861,355
Grand Total Spending	31,367,827	24,815,492	31,107,706	30,883,244
Revenue				
Water Charges	39,294,094	33,004,383	37,725,000	34,600,000
Investment Earnings	205,906	352,126	275,000	300,000
Total Revenue	39,500,000	33,356,510	38,000,000	34,900,000
Debt Service Coverage	1:1.93	1:1.57	1:2.04	1:1.25

Titles Added or Removed

Added	Equipment Operator II	41,038.40
Added	Laborer III	35,755.20
Added	Laborer III	35,755.20
Added	Seasonal	13,628.00
Added	Engineer	70,000.00
Added	Engineering Aide III	57,630.00
Added	Laborer II	35,006.40
Added	Reservoir Patrol Guard	29,702.40
Added	Reservoir Patrol Guard	29,702.40
Added	Watershed Forester	55,000.00
Added	Lab Technician	45,900.00
Added	Operator - Assistant	48,588.00
Added	Operator - Trainee	49,559.76
Added	Operator - Trainee	49,559.76
Removed	Reservoir Patrol Guard - Part Time	(13,628.00)
Removed	Reservoir Patrol Guard - Part Time	(13,628.00)
Removed	Reservoir Patrol Guard - Part Time	(13,628.00)
Removed	Electrician	(60,000.00)
Removed	Labor Supervisor	(49,900.00)
Removed	Water Maintenance Foreman	(49,900.00)

Title and/or Salary Changes

Equipment Operator II changed to Equipment Operator III (G-9)
Equipment Operator I (G-5) changed to Equipment Operator II (G-7)
Equipment Operator I (G-5) changed to Equipment Operator II (G-7)
Equipment Operator I (G-5) changed to Equipment Operator II (G-7)
Equipment Operator I (G-5) changed to Equipment Operator II (G-7)
Equipment Operator I (G-5) changed to Equipment Operator II (G-7)
Equipment Operator I (G-5) changed to Equipment Operator II (G-7)
Water Maintenance Repair Worker (G-6) changed to Senior Water Maintenance Repair Worker (G-8)
Water Maintenance Repair Worker (G-6) changed to Senior Water Maintenance Repair Worker (G-8)
Dispatcher changed to Dispatcher II (WATER 7AM-3PM) (Grade 8)
Laborer II (G-3) changed to Laborer III (G-4)
Laborer II (G-3) changed to Laborer III (G-4)
Laborer II (G-3) changed to Laborer III (G-4)
Laborer II (G-3) changed to Laborer III (G-4)
Laborer II (G-3) changed to Laborer III (G-4)
Laborer II (G-3) changed to Laborer III (G-4)
Laborer II (G-3) changed to Laborer III (G-4)
Laborer II (G-3) changed to Laborer III (G-4)
Water Meter Repair Worker (G-3) changed to (G-4)
Water Meter Repair Worker (G-3) changed to (G-4)
Laborer I (G-1) changed to Laborer II (G-3)

5-Year Capital Plan - 2019 Capital Projects

PROJECT	
7511 Alcove Spillway Investigations	\$100,000
7512 Condition Assessment - Internal inspection	\$50,000
7530 Filtration Plant - General Improvements	\$100,000
7540 Water main program	\$400,000
7540 Valve program	\$200,000
7540 PRV program	\$100,000
7555 Engineering - design through construction	\$20,000
7555 Construction	\$180,000
7556 Pine Bush Pump Station - Construction	\$100,000
7570 Engineering Fees - Water - Official Consultant	\$100,000
7580 Generators & Transfer Switches - Feura Bush ATS	\$25,000
7580 Security	\$40,000
7580 10 North Enterprise	\$25,000
7580 35 Erie	\$15,000
7595 Hardware upgrades	\$20,000
7595 SCADA improvements - Water	\$150,000
7595 GIS Implementation	\$50,000
7595 CMMS	\$50,000
7610 Storm Sewer Improvements - Mountainview	\$100,000
7610 Street Construction Projects - Ramsey Place	\$135,000
7620 Sewer Condition Assessment	\$100,000
7620 Sewer lining projects - 24-inch and smaller	\$500,000
7630 Sewer SCADA - SmartCover, Ignition, Opti, ACSD Flowmeters, Pump Stations	\$100,000
7630 Pump Station Rehab	\$50,000
7640 Engineering Fees - Sewer - Official Consultant	\$100,000
7650 Gansevoort Flap Valve	\$15,000
TOTAL CAPITAL PLAN - from Operating Budget	\$3,000,000
Water	\$1,800,000
Sewer	\$1,200,000
Funding Level	\$3,000,000
PROJECTS REQUIRING FUNDING	
7511 Supply Reservoir	\$3,320,000
7512 Supply Conduit	\$1,387,000
7530 Filtration Plant - DWSRF 2018	\$7,022,000
7620 Long Term Control Plan - CWSRF	\$3,943,296
7580 10 North Enterprise & 35 Erie	\$2,050,000
TOTAL PROJECTS REQUIRING FUNDING	\$17,722,296

2019 New Initiatives

- In 2019, we will be implementing a Cloud based Maintenance Management system and Inventory Management software.
- In 2019, we are adding a dedicated crew for Green Infrastructure maintenance.
- The Department will be launching a drone program with 3 drones, 6 FAA certified drone pilots for watershed management, security, stormwater management, leak location and emergency management.
- Sewer SCADA Phase 3 – 13 new SMART Covers for a total of 27 data collection and archiving sites on the sewer collection system.
- The Department has implemented enhanced community outreach/communications with a dedicated staff specialist.
- The Department has retained Capital Safety Services to assist our focus on safety, incident investigation and prevention and assistance in developing a Light Duty/Return to work program.

2019 Revenue Anticipation **& Grant Opportunities**

- The Department is proposing a 3% rate increase in 2019.
- The Department will receive grant reimbursements in 2019 from prior year grant awards (Albany-Colonie emergency water interconnection, Floatables).
- The Department has applied for \$14.22 million in CFA grants for drainage, stormwater management and flood mitigation projects in the Hackett Blvd and Sheridan Ave. areas.
- The Department received a \$500k grant from NYSDOH for lead water service line replacement
- The Department anticipates revenue in 2019 from the sale of carbon credits associated with our Working Woodlands Program with The Nature Conservancy.
- The Department is investing in equipment to perform water testing services for a fee.

2019 Cost Savings Measures

- We have locked in commodity prices via 2018 bulk contracts.
- Expect savings in property taxes with lower assessment in Coeymans.
- Barcoding inventory and migration to full digital CMMS platforms.
- Return to Work/Light Duty to lower workers compensation costs.

Conclusion

- The Department of Water & Water Supply (Albany Water Board & Albany Municipal Water Finance Authority) completed an independent audit of our 2017 Financials. We completed 2017 with a surplus of \$8.893 million before debt service payment of \$5.682 million, and a debt service coverage ratio of 1.57(required debt service coverage ratio is 1.15). This ratio highlights the current financial strength of the Board/Authority and its ability to fund capital projects through cash-flow, absorb additional short-term debt under the LTCP, and maintain stability in the rate structure. After payment of debt service, the surplus is invested to provide future funds for capital projects.
- We are forecasting to end 2018 with a surplus of \$7.008 million before debt service payment of \$4.798 million.
- Our 2019 Budget projects a surplus of \$6.376 million before debt service \$5.084 million, and a net decrease of 7 employees for a 2019 budget staffing level of 170.
- Our Department's challenges are: risks associated with potential failure of critical aging infrastructure; lack of space at our main office at 10 N. Enterprise Drive; determining the best future use of our property at 35 Erie Blvd.
- **The Albany Water Board is proposing a 3% rate increase for 2019. The rate increase is necessary to maintain debt service coverage as we absorb new debt for capital projects associated with the Long Term Control Plan, and continue our investment in our water and sewer infrastructure outlined in our 5 Year Capital Plan.**

**WATER PURCHASE AGREEMENT
ALBANY WATER BOARD AND TOWN OF GUILDERLAND**

THIS AGREEMENT, made the _____ day of ___, 2018, between the ALBANY WATER BOARD, a public benefit corporation with office located at 10 North Enterprise Drive, Albany, NY 12204, herein referred to as "BOARD", and on behalf of its water districts, and the TOWN OF GUILDERLAND, a municipal corporation with office at 5209 Western Turnpike, Guilderland, NY, 12084, herein referred to as "TOWN"; collectively the Board and Town shall be herein referred to as the "PARTIES".

WITNESSETH:

1. The Board is the owner and operator of a potable water system in the County of Albany, State of New York, and is engaged in the production and distribution of water to consumers in the City of Albany, State of New York ("CITY") and to outside customers with purchase agreements.
2. The Town is the owner and operator of a potable water system located in the Town of Guilderland, State of New York, and is engaged in the production and distribution of water to consumers in the Town of Guilderland, State of New York.
3. The Town wishes to obtain additional sources of water to supplement its existing water supply and the Board wishes to furnish such supplemental water to the Town.
4. The Board shall sell and deliver to the Town, and the Town shall purchase and receive from the Board an amount of potable water, which shall not exceed 35,000,000 gallons per month but shall be a minimum of 70,000,000 gallons per year in aggregate as adjusted in accordance with Article 12 of this Agreement. The maximum rate of usage shall not exceed 1,400 gpm (2.0 million gallons per day).
5. The Town shall pay the Board for potable water purchased at the Residential Rate in effect for City residents subject to the minimum annual purchase amount of 70,000,000 gallons. For the term of this Agreement, the Town shall pay the City Residential Rate subject to the same percentage increases and the same penalties fixed from time to time by

**WATER PURCHASE AGREEMENT
ALBANY WATER BOARD AND TOWN OF GUILDERLAND**

resolution of the Board for potable water furnished through meters to residential customers within the corporate limits of the City. The Town shall receive prior notice of any increase in rates consistent with the notices provided to City residents.

6. The Town shall pre-pay for a full year (January to December) of minimum water purchase (70,000,000 gallons or gallons as adjusted per Article 12 x the Residential Rate) on January 15th of each year this Agreement is in effect. For the year 2018, the Town shall pay the City the amount of \$249,900 (70,000,000 gallons X 3.57/1000 gallons the Residential Rate in effect) within 30 days of the execution of this Agreement. If the total annual minimum purchase is exceeded in aggregate at any time during a year, the additional purchase amount will be billed to the Town by the Board at the Residential Rate on a monthly basis within thirty (30) days of such exceedance and every thirty (30) days thereafter until the end of the year, and the invoices for the overage shall be payable by the Town within thirty (30) days of the billing date.
7. The Board shall operate and maintain facilities to deliver water within the terms of this agreement to the existing interconnection between the Board and Town water systems. The Board shall be permitted to inspect interconnections and require periodic verification of water meter accuracy from the Town, which the Town agrees to provide. Either party may, on reasonable notice to the other, provide a verification of water meter accuracy at its own cost and expense. The Board shall install and maintain equipment to allow for and enable remote telemetry of flow signal.
8. In accordance with Part 5 of the New York State Sanitary Code, the entry point for water purchased from the Board shall be at its points of removal from the City's distribution system. The Town shall assume responsibility for monitoring and reporting entry point turbidity data, shall satisfy all other reporting or notification requirements of said code or other applicable law. The Board shall provide the Town with copies of water quality tests submitted to the Albany County Department of Health.
9. In the event of a water supply emergency, the Board and the Town shall work cooperatively to share available water resources.

**WATER PURCHASE AGREEMENT
ALBANY WATER BOARD AND TOWN OF GUILDERLAND**

10. In the event of a water deficiency in accordance with Section 371-51 of the Code of the City of Albany, or the material breach of this Agreement by the Town, the Board reserves the right and shall have sole and absolute authority to reduce, cease or otherwise restrict delivery of potable water to the Town. Notwithstanding the foregoing, before the Board may reduce, cease or otherwise restrict delivery of potable water to the Town by reason of any breach by the Town of this Agreement, the Board shall provide written notice to the Town Supervisor by certified mail and the Town shall have a period of sixty (60) days to cure such breach. The Town shall impose water conservation measures at least equal to those imposed within the City when notified by the Board to do so.
11. The Board shall not be responsible for any claims or damages associated with or attributed to the failure to supply water or for interruption of the supply of water to the Town. The Town agrees to indemnify, defend and hold harmless the Board and the City of Albany from all damages to persons and property and to the Board's water supply occasioned or caused by the furnishing of water hereunder and shall also indemnify, defend and hold harmless the Board and the City of Albany harmless from all damage of every kind, nature and description which may arise as the result of the making of this Agreement, except for any of the damages due to the negligent or intentional actions of the Board or the City, their agents or employees.
12. The term of this Agreement shall be for a period of ten (10) years, commencing on January 1, 2018 and ending at 11:59 PM ten (10) years hence. For the first five years of this Agreement, the Town shall pay the City for an annual demand of 70,000,000 gallons at the Residential Rate in effect each year plus any excess demand as outlined in Article 5 of this Agreement. In year five of this agreement, the Parties shall review the actual annual water demand of the Town for the prior four years resulting in a mutually agreeable adjustment to the purchase demand for years six through ten of this Agreement. This Agreement may be renewed through mutual written Agreement of the Parties for any additional term mutually agreeable within the confines of General Municipal Law Article 5G.

**WATER PURCHASE AGREEMENT
ALBANY WATER BOARD AND TOWN OF GUILDERLAND**

13. This Agreement shall not be assigned by the Town without the prior written consent of the Board

THE ALBANY WATER BOARD

TOWN OF GUILDERLAND

BY: _____
Charles G. Houghton
Chairman

BY: _____
Peter Barber
Supervisor

NOTARIZED:

NOTARIZED:

MEMORANDUM OF UNDERSTANDING
USE OF DILLENBECK FORCEMAIN

THIS MEMORANDUM OF UNDERSTANDING, entered into this ____ day of August, 2018, between the ALBANY WATER BOARD, a public benefit corporation with office located at 10 North Enterprise Drive, Albany, NY 12204, herein referred to as "BOARD", and on behalf of its water districts, and the TOWN OF GUILDERLAND, a municipal corporation with office at 5209 Western Turnpike, Guilderland, NY, 12084, herein referred to as "TOWN"; collectively the Board and Town shall be herein referred to as the "PARTIES".

WITNESSETH:

1. The Board is the owner and operator of a sewer system in the County of Albany, State of New York, and is engaged in the collection and conveyance of wastewater from consumers in the City of Albany, State of New York ("CITY") ultimately to the Albany County Water Purification District ("COUNTY") for treatment and discharge.
2. The Town is the owner and operator of a sewer system located in the Town of Guilderland, State of New York, and is engaged in the collection and conveyance of wastewater from consumers in the Town of Guilderland, State of New York ultimately to the County for treatment and discharge.
3. The Town relies on the sharing the Board's Pine Bush Trunk Sewer to affect the proper conveyance of wastewater to the County of up to 1.1 MGD at no charge from the Board.
4. The Board wishes to convey, with infrastructure financed, owned and operated by the Board, up to 200,000 gallons of sewage through the Town-owned Dillenbeck Forcemain from a point of interconnection along the Dillenbeck Forcemain route, a proposition to which the Town is amenable. The Board shall prepare engineering plans for the interconnection which shall be reviewed by the Town.

MEMORANDUM OF UNDERSTANDING
USE OF DILLENBECK FORCEMAIN

THE ALBANY WATER BOARD

TOWN OF GUILDERLAND

BY: _____
Charles G. Houghton
Chairman

BY: _____
Peter Barber
Supervisor

NOTARIZED:

NOTARIZED:

Feura Bush WTP Lagoon 2 Slope Mitigation and Site Improvements Project Summary

The Feura Bush Water Treatment Plant Sludge Lagoon facility lies at the top of a steep slope, which descends approximately 70 feet to the Onesquethaw Creek below. Following site explorations and engineering evaluations performed in 2016 and 2017 by Schnabel Engineering, it was concluded that the steepest portion of the slope north of Lagoon 2 was only marginally stable and posed a risk to the northeastern portion of the lagoon and the Onesquethaw Creek. Based on the findings of the evaluations, the Albany Water Department effectively removed Lagoon 2 from service, and is currently using only Lagoon 3 for sludge dewatering.

The current proposed project at the Feura Bush site includes measures to stabilize the slope and reconfigure a portion of Lagoon 2. The project also incorporates several additional site improvements to support short- and long-term operations. The stabilization of the slope to Onesquethaw Creek includes excavating and regrading the existing slope to 1.5 horizontal to 1 vertical (1.5H:1V) and constructing a 20-foot wide sacrificial bench at the toe of the regraded slope above the 100-year flood elevation. The reconfiguration of Lagoon 2 will consist of removing a portion of the northeastern perimeter berm to accommodate the regraded slope and constructing a new berm, with access road and fencing, south of the existing alignment. A portion of the lagoon liner and underdrain system will also be replaced with a similar design and installation.

Other site improvements include raising and widening the "lagoon sludge overflow spillway" sections between Lagoons 1 and 2 and between Lagoons 2 and 3 to allow for an increase in lagoon storage capacity, relocating the chain link fence and gate at the site entrance to improve safety and ease of access, and removing the abandoned water supply transmission main bridge spanning the Onesquethaw Creek.

**Feura Bush Wastewater Lagoon Basin 2
Onesquethaw Creek Slope Assessment
Albany Water Board**



**Budget Design - Opinion of Probable Construction Costs
AACE Class 2 Estimate
August 2018**

Construction					
Item	Description	Quantity	Unit	Unit Price	Item Cost
1	Mobilization and Demobilization	1	LS	\$110,000	\$110,000
2	Site Access and Restoration	1	LS	\$20,000	\$20,000
3	Clearing & Grubbing	1.25	Acre	\$43,750	\$54,688
4	Erosion and Sediment Control	1.50	Acre	\$15,000	\$22,500
5	Control of Water	1	LS	\$15,000	\$15,000
5	Slope Excavation	25000	CY	\$24	\$600,000
6	Slope Hauling and Stockpiling Offsite - (Excavated Materials)	28750	LCY	\$16	\$460,000
7	Slope Earthfill - Reconstruct Lagoon Embankment	2000	CCY	\$8	\$16,000
8	6" Perforated PVC w/ filter fabric	300	LF	\$12	\$3,600
9	Excavation and Fill for Perforated PVC pipe & GCL	1750	CY	\$8	\$14,000
10	Geosynthetic Clay Liner	1250	SY	\$14	\$17,813
11	Lagoon Basin Drainage and Operation Soil Materials	1000	CCY	\$30	\$30,000
12	Toe Drain	70	CY	\$75	\$5,250
13	Bridge Demolition	1	LS	\$250,000	\$250,000
14	Chain Link Fence	550	LF	\$40	\$22,000
15	Spillway & Site Entrance Excavation	578	CY	\$10	\$5,780
16	Spillway & Site Entrance material hauling	723	LCY	\$16	\$11,560
17	Spillway & Site Entrance Fill	0	CY	\$8	\$0
18	Flexible Pavement Access Road	2400	SY	\$45	\$108,000
19	Hauling of Asphalt	200	CY	\$16	\$3,200
20	Hauling of base course	530	CY	\$16	\$8,480
21	Topsoil and HydroSeeding	1.75	Acre	\$15,000	\$26,250
Construction (rounded to nearest \$1000)					\$1,804,000
City Index (rounded to nearest \$1000)		-2%	RSMeans (Albany, NY)		-\$37,000
Adusted Construction Subtotal					\$1,768,000
Contingency		20%	of Construction Cost		\$361,000
Total (rounded to nearest \$1,000)					\$2,129,000
		AACE Class 2 Estimate Range		Low High	-15% 20%